BRUHATH BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Name of the work: Package No.01 (Package consists of 18 works)

Second and Part Bill
Detailed Measurement

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BRUHATH BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Name of the work: Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097.

ne of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

ne Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), itarayanapura Sub Division

Q m	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)										
	Anam Enclave										
	2nd Main Road										
	LHS										
	0.00	23.50	L/S	1.00	23.50			0.60	0.50	7.05	
	28.30	53.60	L/S	1.00	25.30			0.60	0.50	7.59	
	57.50	81.60	L/S	1.00	24.10			0.60	0.50	7.23	
	85.50	111.00	L/S	1.00	25.50			0.60	0.50	7.65	
	115.50	141.60	L/S	1.00	26.10			0.60	0.50	7.83	
	145.30	172.30	L/S	1.00	27.00			0.60	0.50	8.10	
	178.20	205.00	L/S	1.00	26.80			0.60	0.50	8.04	
	205.00	236.50	L/S	1.00	31.50			0.60	0.50	9.45	
	241.70	269.00	L/S	1.00	27.30			0.60	0.50	8.19	
	275.00	300.00	L/S	1.00	25.00			0.60	0.50	7.50	
	304.50	334.50	L/S	1.00	30.00			0.60	0.50	9.00	
	334.50	364.50	L/S	1.00	30.00			0.60	0.50	9.00	
	364.50	373.00	L/S	1.00	8.50			0.60	0.50	2.55	
	RHS										
	0.00	30.00	R/S	1.00	30.00			0.60	0.50	9.00	
	30.00	60.00	R/S	1.00	30.00			0.60	0.50	9.00	
	60.00	90.00	R/S	1.00	30.00			0.60	0.50	9.00	
	90.00	111.00	R/S	1.00	21.00			0.60	0.50	6.30	
	116.70	146.70	R/S	1.00	30.00			0.60	0.50	9.00	
	146.70	176.70	R/S	1.00	30.00			0.60	0.50	9.00	
	176.70	206.70	R/S	1.00	30.00			0.60	0.50	9.00	
	206.70	234.50	R/S	1.00	27.80			0.60	0.50	8.34	
	234.50	264.50	R/S	1.00	30.00			0.60	0.50	9.00	
	264.50	294.50	R/S	1.00	30.00			0.60	0.50	9.00	
	294.50	324.50	R/S	1.00	30.00			0.60	0.50	9.00	
	324.50	354.50	R/S	1.00	30.00			0.60	0.50	9.00	
	354.50	373.00	R/S	1.00	18.50			0.60	0.50	5.55	
	1st A Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	30.00			0.60	0.50	9.00	
	30.00	60.00	L/S	1.00	30.00			0.60	0.50	9.00	
	60.00	66.00	L/S	1.00	6.00			0.60	0.50	1.80	
	RHS										
	0.00	30.00	R/S	1.00	30.00			0.60	0.50	9.00	
	30.00	60.00	R/S	1.00	30.00			0.60	0.50	9.00	
	60.00	66.00	R/S	1.00	6.00			0.60	0.50	1.80	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097.

ne of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

ne Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), tarayanapura Sub Division

Q n	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	1st Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	30.00			0.60	0.50	9.00	
	30.00	63.00	L/S	1.00	33.00			0.60	0.50	9.90	
	RHS										
	0.00	30.00	R/S	1.00	30.00			0.60	0.50	9.00	
	30.00	63.00	R/S	1.00	33.00			0.60	0.50	9.90	
	2nd Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	30.00			0.60	0.50	9.00	
	30.00	58.50	L/S	1.00	28.50			0.60	0.50	8.55	
	RHS										
	0.00	30.00	R/S	1.00	30.00			0.60	0.50	9.00	
	30.00	58.50	R/S	1.00	28.50			0.60	0.50	8.55	
	3rd Cross road										
	LHS										
	0.00	25.50	L/S	1.00	25.50			0.60	0.50	7.65	
	RHS										
	0.00	25.50	R/S	1.00	25.50			0.60	0.50	7.65	
	4th Cross road										
	LHS										
	0.00	21.50	L/S	1.00	21.50			0.60	0.50	6.45	
	RHS										
	0.00	21.50	R/S	1.00	21.50			0.60	0.50	6.45	
	5th Cross road										
	LHS										
	0.00	19.50	L/S	1.00	19.50			0.60	0.50	5.85	
	RHS										
	0.00	19.50	R/S	1.00	19.50			0.60	0.50	5.85	
	Govt Primary School Opp Rd										
	0.00	58.00		1.00	58.00			0.60	0.50	17.40	
	New Culvert										
	2nd Main Road										
	LHS										
	23.50	28.30	L/S	1.00	4.80			2.00	0.84	8.06	
	53.60	57.50	L/S	1.00	3.90			2.00	0.60	4.68	
	81.60	85.50	L/S	1.00	3.90			2.00	0.84	6.55	
	111.00	115.50	L/S	1.00	4.50			2.00	0.60	5.40	
	141.60	145.30	L/S	1.00	3.70			2.00	0.84	6.22	
	172.30	178.20	L/S	1.00	5.90			2.00	0.84	9.91	
	236.50	241.70	L/S	1.00	5.20			2.00	0.60	6.24	
	269.00	275.00	L/S	1.00	6.00			2.00	1.07	12.84	
	300.00	304.50	L/S	1.00	4.50			2.00	1.07	9.63	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

) Code :- 006-18-000097.

me of Agency :- Benaka Developers & Project Pvt.Ltd.

l No :-2nd & Part Bill

me Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), atarayanapura Sub Division

)Q m o	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	RHS										
	111.00	116.70	R/S	1.00	5.70			2.00	1.07	12.20	
	4th A Cross Road		R/S	1.00	5.00			2.00	0.84	8.40	
	5th Cross Road		R/S	1.00	4.20			2.00	0.84	7.06	
	1st A Main Road										
			R/S	1.00	6.10			2.00	1.07	13.05	
								Total		**489.41**	**Cum**
)	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)										
	Anam Enclave										
	2nd Main Road										
	LHS										
	0.00	23.50	L/S	1.00	13.50			1.80		24.30	
	28.30	53.60	L/S	1.00	20.30			1.80		36.54	
	57.50	81.60	L/S	1.00	16.10			1.80		28.98	
	85.50	111.00	L/S	1.00	22.50			1.80		40.50	
	115.50	141.60	L/S	1.00	24.10			1.80		43.38	
	145.30	172.30	L/S	1.00	26.00			1.80		46.80	
	178.20	205.00	L/S	1.00	24.80			1.80		44.64	
	205.00	236.50	L/S	1.00	26.50			1.80		47.70	
	241.70	269.00	L/S	1.00	21.30			1.80		38.34	
	275.00	300.00	L/S	1.00	17.00			1.80		30.60	
	304.50	334.50	L/S	1.00	21.00			1.80		37.80	
	334.50	364.50	L/S	1.00	18.00			1.80		32.40	
	364.50	373.00	L/S	1.00	6.50			1.80		11.70	
	RHS										
	0.00	30.00	R/S	1.00	27.00			1.80		48.60	
	30.00	60.00	R/S	1.00	25.00			1.80		45.00	
	60.00	90.00	R/S	1.00	22.00			1.80		39.60	
	90.00	111.00	R/S	1.00	15.00			1.80		27.00	
	116.70	146.70	R/S	1.00	25.00			1.80		45.00	
	146.70	176.70	R/S	1.00	27.00			1.80		48.60	
	176.70	206.70	R/S	1.00	24.00			1.80		43.20	
	206.70	234.50	R/S	1.00	22.80			1.80		41.04	
	234.50	264.50	R/S	1.00	28.00			1.80		50.40	
	264.50	294.50	R/S	1.00	27.00			1.80		48.60	
	294.50	324.50	R/S	1.00	28.00			1.80		50.40	
	324.50	354.50	R/S	1.00	20.00			1.80		36.00	
	354.50	373.00	R/S	1.00	16.50			1.80		29.70	
	1st A Cross Road										
	LHS										

Consultant

ಸಹಾಯಕ ಅಭಿಯಂತರರು
Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
ಬಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097.

e of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

e Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), arayanapura Sub Division

Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
Chainage										
0.00	30.00	L/S	1.00	25.00			1.80		45.00	
30.00	60.00	L/S	1.00	20.00			1.80		36.00	
60.00	66.00	L/S	1.00	3.00			1.80		5.40	
RHS										
0.00	30.00	R/S	1.00	18.00			1.80		32.40	
30.00	60.00	R/S	1.00	25.00			1.80		45.00	
60.00	66.00	R/S	1.00	3.00			1.80		5.40	
1st Cross Road										
LHS										
0.00	30.00	L/S	1.00	20.00			1.80		36.00	
30.00	63.00	L/S	1.00	25.00			1.80		45.00	
RHS										
0.00	30.00	R/S	1.00	18.00			1.80		32.40	
30.00	63.00	R/S	1.00	28.00			1.80		50.40	
2nd Cross Road										
LHS										
0.00	30.00	L/S	1.00	20.00			1.80		36.00	
30.00	58.50	L/S	1.00	25.50			1.80		45.90	
RHS										
0.00	30.00	R/S	1.00	18.00			1.80		32.40	
30.00	58.50	R/S	1.00	23.10			1.80		41.58	
3rd Cross road										
LHS										
0.00	25.50	L/S	1.00	17.50			1.80		31.50	
RHS										
0.00	25.50	R/S	1.00	16.50			1.80		29.70	
4th Cross road										
LHS										
0.00	21.50	L/S	1.00	12.50			1.80		22.50	
RHS										
0.00	21.50	R/S	1.00	13.50			1.80		24.30	
5th Cross road		0.00								
LHS		0.00	0.00				1.80		0.00	
0.00	19.50	L/S	1.00	11.50			1.80		20.70	
RHS										
0.00	19.50	R/S	1.00	10.50			1.80		18.90	
Govt Primary School Opp Rd										
0.00	58.00	0.00	1.00	39.00			1.80		70.20	
							Total		**1723.50**	**Sqm**
Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)										
Anam Enclave										
2nd Main Road										

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

'ode :- 006-18-000097.

of Agency :- Benaka Developers & Project Pvt.Ltd.

o :-2nd & Part Bill

Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), rayanapura Sub Division

Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
Chainage										
LHS										
0.00	23.50	L/S	1.00	10.00			1.80		18.00	
28.30	53.60	L/S	1.00	5.00			1.80		9.00	
57.50	81.60	L/S	1.00	8.00			1.80		14.40	
85.50	111.00	L/S	1.00	3.00			1.80		5.40	
115.50	141.60	L/S	1.00	2.00			1.80		3.60	
145.30	172.30	L/S	1.00	1.00			1.80		1.80	
178.20	205.00	L/S	1.00	2.00			1.80		3.60	
205.00	236.50	L/S	1.00	5.00			1.80		9.00	
241.70	269.00	L/S	1.00	6.00			1.80		10.80	
275.00	300.00	L/S	1.00	8.00			1.80		14.40	
304.50	334.50	L/S	1.00	9.00			1.80		16.20	
334.50	364.50	L/S	1.00	12.00			1.80		21.60	
364.50	373.00	L/S	1.00	2.00			1.80		3.60	
RHS										
0.00	30.00	R/S	1.00	3.00			1.80		5.40	
30.00	60.00	R/S	1.00	5.00			1.80		9.00	
60.00	90.00	R/S	1.00	8.00			1.80		14.40	
90.00	111.00	R/S	1.00	6.00			1.80		10.80	
116.70	146.70	R/S	1.00	5.00			1.80		9.00	
146.70	176.70	R/S	1.00	3.00			1.80		5.40	
176.70	206.70	R/S	1.00	6.00			1.80		10.80	
206.70	234.50	R/S	1.00	5.00			1.80		9.00	
234.50	264.50	R/S	1.00	2.00			1.80		3.60	
264.50	294.50	R/S	1.00	3.00			1.80		5.40	
294.50	324.50	R/S	1.00	2.00			1.80		3.60	
324.50	354.50	R/S	1.00	10.00			1.80		18.00	
354.50	373.00	R/S	1.00	2.00			1.80		3.60	
1st A Cross Road										
LHS										
0.00	30.00	L/S	1.00	5.00			1.80		9.00	
30.00	60.00	L/S	1.00	10.00			1.80		18.00	
60.00	66.00	L/S	1.00	3.00			1.80		5.40	
RHS										
0.00	30.00	R/S	1.00	12.00			1.80		21.60	
30.00	60.00	R/S	1.00	5.00			1.80		9.00	
60.00	66.00	R/S	1.00	3.00			1.80		5.40	
1st Cross Road										
LHS										
0.00	30.00	L/S	1.00	10.00			1.80		18.00	
30.00	63.00	L/S	1.00	8.00			1.80		14.40	
RHS										
0.00	30.00	R/S	1.00	12.00			1.80		21.60	
30.00	63.00	R/S	1.00	5.00			1.80		9.00	

Consultant

16/3/2019

Assistant Executive Engineer

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16/3/2019

Assistant Executive Engineer

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Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

b Code :- 006-18-000097.

ıme of Agency :- Benaka Developers & Project Pvt.Ltd.

ll No :-2nd & Part Bill

ıme Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), ʻatarayanapura Sub Division

DQ em lo	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	2nd Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	10.00			1.80		18.00	
	30.00	58.50	L/S	1.00	3.00			1.80		5.40	
	RHS										
	0.00	30.00	R/S	1.00	12.00			1.80		21.60	
	30.00	58.50	R/S	1.00	5.40			1.80		9.72	
	3rd Cross road										
	LHS										
	0.00	25.50	L/S	1.00	8.00			1.80		14.40	
	RHS										
	0.00	25.50	R/S	1.00	9.00			1.80		16.20	
	4th Cross road										
	LHS										
	0.00	21.50	L/S	1.00	9.00			1.80		16.20	
	RHS										
	0.00	21.50	R/S	1.00	8.00			1.80		14.40	
	5th Cross road										
	LHS										
	0.00	19.50	L/S	1.00	8.00			1.80		14.40	
	RHS										
	0.00	19.50	R/S	1.00	9.00			1.80		16.20	
	Govt Primary School Opp Rd										
	0.00	58.00	0.00	1.00	19.00			1.80		34.20	
								Total		**551.52**	**Sqm**
	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13.(using available stones) (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)										
	Anam Enclave										
	New Culvert										
	2nd Main Road										
	LHS										
	23.50	28.30	L/S	2.00	4.80			0.60	0.69	3.97	
	53.60	57.50	L/S	2.00	3.90			0.60	0.45	2.11	
	81.60	85.50	L/S	2.00	3.90			0.60	0.69	3.23	
	111.00	115.50	L/S	2.00	4.50			0.60	0.45	2.43	
	141.60	145.30	L/S	2.00	3.70			0.60	0.69	3.06	
	172.30	178.20	L/S	2.00	5.90			0.60	0.69	4.89	
	236.50	241.70	L/S	2.00	5.20			0.60	0.45	2.81	
	269.00	275.00	L/S	2.00	6.00			0.60	0.92	6.62	
	300.00	304.50	L/S	2.00	4.50			0.60	0.92	4.97	
	RHS										

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :- 006-18-000097.

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), Byatarayanapura Sub Division

SOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	111.00	116.70	R/S	2.00	5.70			0.60	0.92	6.29	
	4th A Cross Road		R/S	2.00	5.00			0.60	0.69	4.14	
	5th Cross Road		R/S	2.00	4.20			0.60	0.69	3.48	
	1st A Main Road										
			R/S	2.00	6.10			0.60	0.92	6.73	
								Total		54.73	Cum
14	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.113, I.No.15.1 of PW, P&IWTD S.R 2016-17)										
	Anam Enclave										
	New Culvert										
	2nd Main Road										
	LHS										
	23.50	28.30	L/S	2.00	4.80				0.69	6.62	
	53.60	57.50	L/S	2.00	3.90				0.45	3.51	
	81.60	85.50	L/S	2.00	3.90				0.69	5.38	
	111.00	115.50	L/S	2.00	4.50				0.45	4.05	
	141.60	145.30	L/S	2.00	3.70				0.69	5.11	
	172.30	178.20	L/S	2.00	5.90				0.69	8.14	
	236.50	241.70	L/S	2.00	5.20				0.45	4.68	
	269.00	275.00	L/S	2.00	6.00				0.92	11.04	
	300.00	304.50	L/S	2.00	4.50				0.92	8.28	
	RHS										
	111.00	116.70	R/S	2.00	5.70				0.92	10.49	
	4th A Cross Road		R/S	2.00	5.00				0.69	6.90	
	5th Cross Road		R/S	2.00	4.20				0.69	5.80	
	1st A Main Road										
			R/S	2.00	6.10				0.92	11.22	
								Total		91.22	Sqm
	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)										
	Anam Enclave										

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097.

ıe of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

ıe Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), tarayanapura Sub Division

Q n	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	New Culvert										
	2nd Main Road										
	LHS										
	23.50	28.30	L/S	2.00	4.80			0.60	0.10	0.58	
	53.60	57.50	L/S	2.00	3.90			0.60	0.10	0.47	
	81.60	85.50	L/S	2.00	3.90			0.60	0.10	0.47	
	111.00	115.50	L/S	2.00	4.50			0.60	0.10	0.54	
	141.60	145.30	L/S	2.00	3.70			0.60	0.10	0.44	
	172.30	178.20	L/S	2.00	5.90			0.60	0.10	0.71	
	236.50	241.70	L/S	2.00	5.20			0.60	0.10	0.62	
	269.00	275.00	L/S	2.00	6.00			0.60	0.10	0.72	
	300.00	304.50	L/S	2.00	4.50			0.60	0.10	0.54	
	RHS										
	111.00	116.70	R/S	2.00	5.70			0.60	0.10	0.68	
	4th A Cross Road		R/S	2.00	5.00			0.60	0.10	0.60	
	5th Cross Road		R/S	2.00	4.20			0.60	0.10	0.50	
	1st A Main Road										
			R/S	2.00	6.10			0.60	0.10	0.73	
								Total		7.61	Cum

KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)

Anam Enclave										
New Culvert										
2nd Main Road										
LHS										
23.50	28.30	L/S	1.00	4.80			2.00	0.15	1.44	
53.60	57.50	L/S	1.00	3.90			2.00	0.15	1.17	
81.60	85.50	L/S	1.00	3.90			2.00	0.15	1.17	
111.00	115.50	L/S	1.00	4.50			2.00	0.15	1.35	
141.60	145.30	L/S	1.00	3.70			2.00	0.15	1.11	
172.30	178.20	L/S	1.00	5.90			2.00	0.15	1.77	
236.50	241.70	L/S	1.00	5.20			2.00	0.15	1.56	
269.00	275.00	L/S	1.00	6.00			2.00	0.15	1.80	
300.00	304.50	L/S	1.00	4.50			2.00	0.15	1.35	
RHS										
111.00	116.70	R/S	1.00	5.70			2.00	0.15	1.71	
4th A Cross Road		R/S	1.00	5.00			2.00	0.15	1.50	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :- 006-18-000097.

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), Bytarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	5th Cross Road		R/S	1.00	4.20			2.00	0.15	1.26	
	1st A Main Road										
			R/S	1.00	6.10			2.00	0.15	1.83	
								Total		19.02	Cum
23	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)										
	Anam Enclave										
	New Culvert										
	2nd Main Road										
	LHS										
	23.50	28.30	L/S	1.00	4.80			1.80		8.64	
	53.60	57.50	L/S	1.00	3.90			1.80		7.02	
	81.60	85.50	L/S	1.00	3.90			1.80		7.02	
	111.00	115.50	L/S	1.00	4.50			1.80		8.10	
	141.60	145.30	L/S	1.00	3.70			1.80		6.66	
	172.30	178.20	L/S	1.00	5.90			1.80		10.62	
	236.50	241.70	L/S	1.00	5.20			1.80		9.36	
	269.00	275.00	L/S	1.00	6.00			1.80		10.80	
	300.00	304.50	L/S	1.00	4.50			1.80		8.10	
	RHS										
	111.00	116.70	R/S	1.00	5.70			1.80		10.26	
	4th A Cross Road		R/S	1.00	5.00			1.80		9.00	
	5th Cross Road		R/S	1.00	4.20			1.80		7.56	
	1st A Main Road										
			R/S	1.00	6.10			1.80		10.98	
								Total		114.12	Sqm
	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)										
	Anam Enclave										
	2nd Main Road										
	0.00	30.00		2.00	30.00	2.50	3.00	2.75	0.23	37.95	
	30.00	60.00		2.00	30.00	3.00	2.50	2.75	0.23	37.95	
	60.00	90.00		2.00	30.00	2.50	2.60	2.55	0.23	35.19	
	90.00	120.00		2.00	30.00	2.60	2.70	2.65	0.23	36.57	
	120.00	150.00		2.00	30.00	2.70	2.80	2.75	0.23	37.95	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097.

e of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

e Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), arayanapura Sub Division

Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
Chainage										
150.00	170.00		2.00	20.00	2.80	3.00	2.90	0.23	26.68	
170.00	180.50		2.00	10.50	3.00	2.50	2.75	0.23	13.28	
180.50	183.00		2.00	2.50	2.50	2.00	2.25	0.23	2.59	
183.00	187.30		2.00	4.30	2.00	5.00	3.50	0.23	6.92	
187.30	193.00		2.00	5.70	5.00	5.50	5.25	0.23	13.77	
193.00	210.00		2.00	17.00	5.50	6.00	5.75	0.23	44.97	
210.00	240.00		2.00	30.00	6.00	2.90	4.45	0.23	61.41	
240.00	270.00		2.00	30.00	2.90	3.00	2.95	0.23	40.71	
270.00	300.00		2.00	30.00	3.00	3.50	3.25	0.23	44.85	
300.00	330.00		2.00	30.00	3.50	3.00	3.25	0.23	44.85	
330.00	346.00		2.00	16.00	3.00	3.30	3.15	0.23	23.18	
356.00	373.00		2.00	17.00	3.30	3.20	3.25	0.23	25.42	
1st A Cross Road										
0.00	30.00		1.00	30.00	9.80	9.50	9.65	0.23	66.59	
30.00	66.00		1.00	36.00	9.50	4.80	7.15	0.23	59.20	
1st Cross Road										
0.00	30.00		1.00	30.00	3.40	3.60	3.50	0.23	24.15	
30.00	45.00		1.00	15.00	3.60	4.10	3.85	0.23	13.28	
45.00	63.00		1.00	18.00	4.10	4.90	4.50	0.23	18.63	
2nd Cross Road										
0.00	30.00		1.00	30.00	3.70	4.00	3.85	0.23	26.57	
30.00	58.50		1.00	28.50	4.00	4.10	4.05	0.23	26.55	
3rd Cross road										
0.00	25.50		1.00	25.50	3.70	4.10	3.90	0.23	22.87	
4th Cross road										
0.00	21.50		1.00	21.50	3.60	3.60	3.60	0.23	17.80	
5th Cross road										
0.00	19.50		1.00	19.50	3.40	3.60	3.50	0.23	15.70	
Govt Primary School Opp Rd										
0.00	30.00		1.00	30.00	5.40	5.90	5.65	0.23	38.99	
30.00	41.00		1.00	11.00	5.90	4.50	5.20	0.23	13.16	
41.00	50.00		1.00	9.00	4.50	5.00	4.75	0.23	9.83	
50.00	58.00		1.00	8.00	5.00	6.50	5.75	0.23	10.58	
Bad Reaches										
			2.00	3.00			2.20	0.23	3.04	
			3.00	3.20			3.10	0.23	6.84	
			4.00	2.80			2.30	0.23	5.92	
			2.00	3.80			1.90	0.23	3.32	
							Total		**917.25**	**Cum**

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

ab Code :- 006-18-000097.

ame of Agency :- Benaka Developers & Project Pvt.Ltd.

ill No :-2nd & Part Bill

ame Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), yatarayanapura Sub Division

OQ tem No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
18	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	Anam Enclave										
	2nd Main Road										
	0.00	30.00		2.00	30.00	2.50	3.00	2.75	0.23	37.95	
	30.00	60.00		2.00	30.00	3.00	2.50	2.75	0.23	37.95	
	60.00	90.00		2.00	30.00	2.50	2.60	2.55	0.23	35.19	
	90.00	120.00		2.00	30.00	2.60	2.70	2.65	0.23	36.57	
	120.00	150.00		2.00	30.00	2.70	2.80	2.75	0.23	37.95	
	150.00	170.00		2.00	20.00	2.80	3.00	2.90	0.23	26.68	
	170.00	180.50		2.00	10.50	3.00	2.50	2.75	0.23	13.28	
	180.50	183.00		2.00	2.50	2.50	2.00	2.25	0.23	2.59	
	183.00	187.30		2.00	4.30	2.00	5.00	3.50	0.23	6.92	
	187.30	193.00		2.00	5.70	5.00	5.50	5.25	0.23	13.77	
	193.00	210.00		2.00	17.00	5.50	6.00	5.75	0.23	44.97	
	210.00	240.00		2.00	30.00	6.00	2.90	4.45	0.23	61.41	
	240.00	270.00		2.00	30.00	2.90	3.00	2.95	0.23	40.71	
	270.00	300.00		2.00	30.00	3.00	3.50	3.25	0.23	44.85	
	300.00	330.00		2.00	30.00	3.50	3.00	3.25	0.23	44.85	
	330.00	346.00		2.00	16.00	3.00	3.30	3.15	0.23	23.18	
	356.00	373.00		2.00	17.00	3.30	3.20	3.25	0.23	25.42	
	1st A Cross Road										
	0.00	30.00		1.00	30.00	9.80	9.50	9.65	0.23	66.59	
	30.00	66.00		1.00	36.00	9.50	4.80	7.15	0.23	59.20	
	1st Cross Road										
	0.00	30.00		1.00	30.00	3.40	3.60	3.50	0.23	24.15	
	30.00	45.00		1.00	15.00	3.60	4.10	3.85	0.23	13.28	
	45.00	63.00		1.00	18.00	4.10	4.90	4.50	0.23	18.63	
	2nd Cross Road										
	0.00	30.00		1.00	30.00	3.70	4.00	3.85	0.23	26.57	
	30.00	58.50		1.00	28.50	4.00	4.10	4.05	0.23	26.55	
	3rd Cross road										
	0.00	25.50		1.00	25.50	3.70	4.10	3.90	0.23	22.87	
	4th Cross road										
	0.00	21.50		1.00	21.50	3.60	3.60	3.60	0.23	17.80	
	5th Cross road										
	0.00	19.50		1.00	19.50	3.40	3.60	3.50	0.23	15.70	
	Govt Primary School Opp Rd										
	0.00	30.00		1.00	30.00	5.40	5.90	5.65	0.23	38.99	
	30.00	41.00		1.00	11.00	5.90	4.50	5.20	0.23	13.16	
	41.00	50.00		1.00	9.00	4.50	5.00	4.75	0.23	9.83	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

, Code :- 006-18-000097.

ne of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

ne Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), tarayanapura Sub Division

Q m	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	50.00	58.00		1.00	8.00	5.00	6.50	5.75	0.23	10.58	
	Bad Reaches										
				2.00	3.00			2.20	0.23	3.04	
				3.00	3.20			3.10	0.23	6.84	
				4.00	2.80			2.30	0.23	5.92	
				2.00	3.80			1.90	0.23	3.32	
								Total		**917.25**	**Cum**
	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)										
	Anam Enclave										
	2nd Main Road										
	0.00	30.00		2.00	30.00	2.50	3.00	2.75		165.00	
	30.00	60.00		2.00	30.00	3.00	2.50	2.75		165.00	
	60.00	90.00		2.00	30.00	2.50	2.60	2.55		153.00	
	90.00	120.00		2.00	30.00	2.60	2.70	2.65		159.00	
	120.00	150.00		2.00	30.00	2.70	2.80	2.75		165.00	
	150.00	170.00		2.00	20.00	2.80	3.00	2.90		116.00	
	170.00	180.50		2.00	10.50	3.00	2.50	2.75		57.75	
	180.50	183.00		2.00	2.50	2.50	2.00	2.25		11.25	
	183.00	187.30		2.00	4.30	2.00	5.00	3.50		30.10	
	187.30	193.00		2.00	5.70	5.00	5.50	5.25		59.85	
	193.00	210.00		2.00	17.00	5.50	6.00	5.75		195.50	
	210.00	240.00		2.00	30.00	6.00	2.90	4.45		267.00	
	240.00	270.00		2.00	30.00	2.90	3.00	2.95		177.00	
	270.00	300.00		2.00	30.00	3.00	3.50	3.25		195.00	
	300.00	330.00		2.00	30.00	3.50	3.00	3.25		195.00	
	330.00	346.00		2.00	16.00	3.00	3.30	3.15		100.80	
	356.00	373.00		2.00	17.00	3.30	3.20	3.25		110.50	
	1st A Cross Road										
	0.00	30.00		1.00	30.00	9.80	9.50	9.65		289.50	
	30.00	66.00		1.00	36.00	9.50	4.80	7.15		257.40	
	1st Cross Road										
	0.00	30.00		1.00	30.00	3.40	3.60	3.50		105.00	
	30.00	45.00		1.00	15.00	3.60	4.10	3.85		57.75	
	45.00	63.00		1.00	18.00	4.10	4.90	4.50		81.00	
	2nd Cross Road										
	0.00	30.00		1.00	30.00	3.70	4.00	3.85		115.50	
	30.00	58.50		1.00	28.50	4.00	4.10	4.05		115.43	
	3rd Cross road										
	0.00	25.50		1.00	25.50	3.70	4.10	3.90		99.45	
	4th Cross road										
	0.00	21.50		1.00	21.50	3.60	3.60	3.60		77.40	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097.

ne of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

ne Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), tarayanapura Sub Division

Q n	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	5th Cross road										
	0.00	19.50		1.00	19.50	3.40	3.60	3.50		68.25	
	Govt Primary School Opp Rd										
	0.00	30.00		1.00	30.00	5.40	5.90	5.65		169.50	
	30.00	41.00		1.00	11.00	5.90	4.50	5.20		57.20	
	41.00	50.00		1.00	9.00	4.50	5.00	4.75		42.75	
	50.00	58.00		1.00	8.00	5.00	6.50	5.75		46.00	
	Bad Reaches										
				2.00	3.00			2.20		13.20	
				3.00	3.20			3.10		29.76	
				4.00	2.80			2.30		25.76	
				2.00	3.79			1.90		14.38	
								Total		3987.98	Sqm
	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)										
	Anam Enclave										
	2nd Main Road										
	0.00	30.00		1.00	30.00	8.40	9.70	9.05		271.50	
	30.00	60.00		1.00	30.00	9.70	10.50	10.10		303.00	
	60.00	90.00		1.00	30.00	10.50	9.20	9.85		295.50	
	90.00	120.00		1.00	30.00	9.20	10.80	10.00		300.00	
	120.00	150.00		1.00	30.00	10.80	9.30	10.05		301.50	
	150.00	170.00		1.00	20.00	9.30	9.20	9.25		185.00	
	170.00	180.50		1.00	10.50	9.20	13.00	11.10		116.55	
	180.50	183.00		1.00	2.50	13.00	9.80	11.40		28.50	
	183.00	187.30		1.00	4.30	9.80	15.40	12.60		54.18	
	187.30	193.00		1.00	5.70	15.40	10.60	13.00		74.10	
	193.00	210.00		1.00	17.00	10.60	9.40	10.00		170.00	
	210.00	240.00		1.00	30.00	9.40	9.80	9.60		288.00	
	240.00	270.00		1.00	30.00	9.80	10.50	10.15		304.50	
	270.00	300.00		1.00	30.00	10.50	9.50	10.00		300.00	
	300.00	330.00		1.00	30.00	9.50	11.30	10.40		312.00	
	330.00	346.00		1.00	16.00	11.30	11.60	11.45		183.20	
	356.00	373.00		1.00	17.00	9.40	9.30	9.35		158.95	
	Deduct Prime Coat									-2405.85	
								Total		1240.63	Sqm

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Sub Code :- 006-18-000097.

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), Bytarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
31	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)										
	Anam Enclave										
	2nd Main Road										
	0.00	30.00		1.00	30.00	8.40	9.70	9.05		271.50	
	30.00	60.00		1.00	30.00	9.70	10.50	10.10		303.00	
	60.00	90.00		1.00	30.00	10.50	9.20	9.85		295.50	
	90.00	120.00		1.00	30.00	9.20	10.80	10.00		300.00	
	120.00	150.00		1.00	30.00	10.80	9.30	10.05		301.50	
	150.00	170.00		1.00	20.00	9.30	9.20	9.25		185.00	
	170.00	180.50		1.00	10.50	9.20	13.00	11.10		116.55	
	180.50	183.00		1.00	2.50	13.00	9.80	11.40		28.50	
	183.00	187.30		1.00	4.30	9.80	15.40	12.60		54.18	
	187.30	193.00		1.00	5.70	15.40	10.60	13.00		74.10	
	193.00	210.00		1.00	17.00	10.60	9.40	10.00		170.00	
	210.00	240.00		1.00	30.00	9.40	9.80	9.60		288.00	
	240.00	270.00		1.00	30.00	9.80	10.50	10.15		304.50	
	270.00	300.00		1.00	30.00	10.50	9.50	10.00		300.00	
	300.00	330.00		1.00	30.00	9.50	11.30	10.40		312.00	
	330.00	346.00		1.00	16.00	11.30	11.60	11.45		183.20	
	356.00	373.00		1.00	17.00	9.40	9.30	9.35		158.95	
	1st A Cross Road										
	0.00	30.00		1.00	30.00	9.80	9.50	9.65		289.50	
	30.00	66.00		1.00	36.00	9.50	4.80	7.15		257.40	
	1st Cross Road										
	0.00	30.00		1.00	30.00	3.40	3.60	3.50		105.00	
	30.00	45.00		1.00	15.00	3.60	4.10	3.85		57.75	
	45.00	63.00		1.00	18.00	4.10	4.90	4.50		81.00	
	4th Cross road										
	0.00	21.50		1.00	21.50	3.60	3.60	3.60		77.40	
	5th Cross road										
	0.00	19.50		1.00	19.50	3.40	3.60	3.50		68.25	
	2nd Cross Road										
	0.00	30.00		1.00	30.00	3.70	4.00	3.85		115.50	
	30.00	58.50		1.00	28.50	4.00	4.10	4.05		115.43	
	3rd Cross road										
	0.00	25.50		1.00	25.50	3.70	4.10	3.90		99.45	
	Govt Primary School Opp Rd										
	0.00	30.00		1.00	30.00	5.40	5.90	5.65		169.50	
	30.00	41.00		1.00	11.00	5.90	4.50	5.20		57.20	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike
Bytarayanapura Division

Sub Code :- 006-18-000097.
Name of Agency :- Benaka Developers & Project Pvt.Ltd.
Bill No :-2nd & Part Bill
Name Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra),
Bytarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	41.00	50.00		1.00	9.00	4.50	5.00	4.75		42.75	
	50.00	58.00		1.00	8.00	5.00	6.50	5.75		46.00	
								Total		5228.61	Sqm
32	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)										
	Anam Enclave										
	2nd Main Road										
	0.00	30.00		1.00	30.00	8.40	9.70	9.05	0.04	10.86	
	30.00	60.00		1.00	30.00	9.70	10.50	10.10	0.04	12.12	
	60.00	90.00		1.00	30.00	10.50	9.20	9.85	0.04	11.82	
	90.00	120.00		1.00	30.00	9.20	10.80	10.00	0.04	12.00	
	120.00	150.00		1.00	30.00	10.80	9.30	10.05	0.04	12.06	
	150.00	170.00		1.00	20.00	9.30	9.20	9.25	0.04	7.40	
	170.00	180.50		1.00	10.50	9.20	13.00	11.10	0.04	4.66	
	180.50	183.00		1.00	2.50	13.00	9.80	11.40	0.04	1.14	
	183.00	187.30		1.00	4.30	9.80	15.40	12.60	0.04	2.17	
	187.30	193.00		1.00	5.70	15.40	10.60	13.00	0.04	2.96	
	193.00	210.00		1.00	17.00	10.60	9.40	10.00	0.04	6.80	
	210.00	240.00		1.00	30.00	9.40	9.80	9.60	0.04	11.52	
	240.00	270.00		1.00	30.00	9.80	10.50	10.15	0.04	12.18	
	270.00	300.00		1.00	30.00	10.50	9.50	10.00	0.04	12.00	
	300.00	330.00		1.00	30.00	9.50	11.30	10.40	0.04	12.48	
	330.00	346.00		1.00	16.00	11.30	11.60	11.45	0.04	7.33	
	356.00	373.00		1.00	17.00	9.40	9.30	9.35	0.04	6.36	
	1st A Cross Road										
	0.00	30.00		1.00	30.00	9.80	9.50	9.65	0.04	11.58	
	30.00	66.00		1.00	36.00	9.50	4.80	7.15	0.04	10.30	
	1st Cross Road										
	0.00	30.00		1.00	30.00	3.40	3.60	3.50	0.04	4.20	
	30.00	45.00		1.00	15.00	3.60	4.10	3.85	0.04	2.31	
	45.00	63.00		1.00	18.00	4.10	4.90	4.50	0.04	3.24	
	4th Cross road										
	0.00	21.50		1.00	21.50	3.60	3.60	3.60	0.04	3.10	
	5th Cross road										
	0.00	19.50		1.00	19.50	3.40	3.60	3.50	0.04	2.73	
	2nd Cross Road										
	0.00	30.00		1.00	30.00	3.70	4.00	3.85	0.04	4.62	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Sub Code :- 006-18-000097.

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), Bytarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	30.00	58.50		1.00	28.50	4.00	4.10	4.05	0.04	4.62	
	3rd Cross road										
	0.00	25.50		1.00	25.50	3.70	4.10	3.90	0.04	3.98	
	Govt Primary School Opp Rd										
	0.00	30.00		1.00	30.00	5.40	5.90	5.65	0.04	6.78	
	30.00	41.00		1.00	11.00	5.90	4.50	5.20	0.04	2.29	
	41.00	50.00		1.00	9.00	4.50	5.00	4.75	0.04	1.71	
	50.00	58.00		1.00	8.00	5.00	6.50	5.75	0.04	1.84	
								Total		**209.14**	**Cum**
33	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)										
	Anam Enclave										
	2nd Main Road										
	Edge line										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	60.00		2.00	30.00			0.10		6.00	
	60.00	90.00		2.00	30.00			0.10		6.00	
	90.00	120.00		2.00	30.00			0.10		6.00	
	120.00	150.00		2.00	30.00			0.10		6.00	
	150.00	170.00		2.00	20.00			0.10		4.00	
	170.00	180.50		2.00	10.50			0.10		2.10	
	180.50	183.00		2.00	2.50			0.10		0.50	
	183.00	187.30		2.00	4.30			0.10		0.86	
	187.30	193.00		2.00	5.70			0.10		1.14	
	193.00	210.00		2.00	17.00			0.10		3.40	
	210.00	240.00		2.00	30.00			0.10		6.00	
	240.00	270.00		2.00	30.00			0.10		6.00	
	270.00	300.00		2.00	30.00			0.10		6.00	
	300.00	330.00		2.00	30.00			0.10		6.00	
	330.00	346.00		2.00	16.00			0.10		3.20	
	356.00	373.00		2.00	17.00			0.10		3.40	
	1st A Cross Road										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	66.00		2.00	36.00			0.10		7.20	
	1st Cross Road										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	45.00		2.00	15.00			0.10		3.00	
	45.00	63.00		2.00	18.00			0.10		3.60	
	4th Cross road										
	0.00	21.50		2.00	21.50			0.10		4.30	

ಸಹಾಯಕ ಅಭಿಯಂತರರು / Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು / Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097.

me of Agency :- Benaka Developers & Project Pvt.Ltd.

l No :-2nd & Part Bill

me Of work : -Improvement to Drains and Asphalting to Roads at Anam Enclave Main Road in Ward No.06(Thanisandra), atarayanapura Sub Division

)Q m o	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	5th Cross road										
	0.00	19.50		2.00	19.50			0.10		3.90	
	2nd Cross Road										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	58.50		2.00	28.50			0.10		5.70	
	3rd Cross road										
	0.00	25.50		2.00	25.50			0.10		5.10	
	Govt Primary School Opp Rd										
	0.00	30.00		2.00	30.00			0.10		6.00	
	30.00	41.00		2.00	11.00			0.10		2.20	
	41.00	50.00		2.00	9.00			0.10		1.80	
	50.00	58.00		2.00	8.00			0.10		1.60	
	Centre line										
	0.00	30.00		0.50	30.00			0.10		1.50	
	30.00	60.00		0.50	30.00			0.10		1.50	
	60.00	90.00		0.50	30.00			0.10		1.50	
	90.00	120.00		0.50	30.00			0.10		1.50	
	120.00	150.00		0.50	30.00			0.10		1.50	
	150.00	170.00		0.50	20.00			0.10		1.00	
	170.00	180.50		0.50	10.50			0.10		0.53	
	180.50	183.00		0.50	2.50			0.10		0.13	
	183.00	187.30		0.50	4.30			0.10		0.22	
	187.30	193.00		0.50	5.70			0.10		0.28	
	193.00	210.00		0.50	17.00			0.10		0.85	
	210.00	240.00		0.50	30.00			0.10		1.50	
	240.00	270.00		0.50	30.00			0.10		1.50	
	270.00	300.00		0.50	30.00			0.10		1.50	
	300.00	330.00		0.50	30.00			0.10		1.50	
	330.00	346.00		0.50	16.00			0.10		0.80	
	356.00	373.00		0.50	17.00			0.10		0.85	
								Total		153.15	Sqm

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BRUHATH BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Name of the work: Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Code :- 006-18-000097. Bytarayanapura Division

ne of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

ne Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub sion

Q n	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)										
	Akashavani Layout										
	1st Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	L/S	1.00	30.00			0.60	0.60	10.80	
	60.00	90.00	L/S	1.00	30.00			0.60	0.60	10.80	
	90.00	96.60	L/S	1.00	6.60			0.60	0.60	2.38	
	RHS										
	0.00	30.00	R/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	R/S	1.00	30.00			0.60	0.60	10.80	
	60.00	90.00	R/S	1.00	30.00			0.60	0.60	10.80	
	90.00	96.60	R/S	1.00	6.60			0.60	0.60	2.38	
	2nd Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	L/S	1.00	30.00			0.60	0.60	10.80	
	60.00	90.60	L/S	1.00	30.60			0.60	0.60	11.02	
	RHS										
	0.00	30.00	R/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	R/S	1.00	30.00			0.60	0.60	10.80	
	60.00	90.60	R/S	1.00	30.60			0.60	0.60	11.02	
	3rd Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	L/S	1.00	30.00			0.60	0.60	10.80	
	60.00	85.00	L/S	1.00	25.00			0.60	0.60	9.00	
	RHS										
	0.00	30.00	R/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	R/S	1.00	30.00			0.60	0.60	10.80	
	60.00	85.00	R/S	1.00	25.00			0.60	0.60	9.00	
	4th Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	L/S	1.00	30.00			0.60	0.60	10.80	
	60.00	78.00	L/S	1.00	18.00			0.60	0.60	6.48	
	RHS										
	0.00	30.00	R/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	R/S	1.00	30.00			0.60	0.60	10.80	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike
Bytarayanapura Division

Code :- 006-18-000097.
Name of Agency :- Benaka Developers & Project Pvt.Ltd.
Bill No :-2nd & Part Bill
Name Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

SOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	60.00	78.00	R/S	1.00	18.00			0.60	0.60	6.48	
	5th Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	L/S	1.00	30.00			0.60	0.60	10.80	
	60.00	70.00	L/S	1.00	10.00			0.60	0.60	3.60	
	RHS										
	0.00	30.00	R/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	R/S	1.00	30.00			0.60	0.60	10.80	
	60.00	70.00	R/S	1.00	10.00			0.60	0.60	3.60	
	6th Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	L/S	1.00	30.00			0.60	0.60	10.80	
	60.00	75.50	L/S	1.00	15.50			0.60	0.60	5.58	
	RHS										
	0.00	30.00	R/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	R/S	1.00	30.00			0.60	0.60	10.80	
	60.00	75.50	R/S	1.00	15.50			0.60	0.60	5.58	
	7th Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	L/S	1.00	30.00			0.60	0.60	10.80	
	60.00	73.50	L/S	1.00	13.50			0.60	0.60	4.86	
	RHS										
	0.00	30.00	R/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	R/S	1.00	30.00			0.60	0.60	10.80	
	60.00	73.50	R/S	1.00	13.50			0.60	0.60	4.86	
	8th Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	L/S	1.00	30.00			0.60	0.60	10.80	
	60.00	73.60	L/S	1.00	13.60			0.60	0.60	4.90	
	RHS										
	0.00	30.00	R/S	1.00	30.00			0.60	0.60	10.80	
	30.00	60.00	R/S	1.00	30.00			0.60	0.60	10.80	
	60.00	73.60	R/S	1.00	13.60			0.60	0.60	4.90	
								Total		462.82	Cum
	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)										
	Akashavani Layout										
	1st Cross Road										

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097.

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

SLNO / Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	LHS										
	0.00	30.00	L/S	1.00	20.00			1.35		27.00	
	30.00	60.00	L/S	1.00	25.00			1.35		33.75	
	60.00	90.00	L/S	1.00	24.00			1.35		32.40	
	90.00	96.60	L/S	1.00	2.60			1.35		3.51	
	RHS										
	0.00	30.00	R/S	1.00	22.00			1.35		29.70	
	30.00	60.00	R/S	1.00	26.00			1.35		35.10	
	60.00	90.00	R/S	1.00	24.00			1.35		32.40	
	90.00	96.60	R/S	1.00	1.60			1.35		2.16	
	2nd Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	20.00			1.35		27.00	
	30.00	60.00	L/S	1.00	24.00			1.35		32.40	
	60.00	90.60	L/S	1.00	25.60			1.35		34.56	
	RHS										
	0.00	30.00	R/S	1.00	22.00			1.35		29.70	
	30.00	60.00	R/S	1.00	21.00			1.35		28.35	
	60.00	90.60	R/S	1.00	20.60			1.35		27.81	
	3rd Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	25.00			1.35		33.75	
	30.00	60.00	L/S	1.00	22.00			1.35		29.70	
	60.00	85.00	L/S	1.00	19.00			1.35		25.65	
	RHS										
	0.00	30.00	R/S	1.00	25.00			1.35		33.75	
	30.00	60.00	R/S	1.00	24.00			1.35		32.40	
	60.00	85.00	R/S	1.00	17.00			1.35		22.95	
	4th Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	25.00			1.35		33.75	
	30.00	60.00	L/S	1.00	24.00			1.35		32.40	
	60.00	78.00	L/S	1.00	14.00			1.35		18.90	
	RHS										
	0.00	30.00	R/S	1.00	24.00			1.35		32.40	
	30.00	60.00	R/S	1.00	25.00			1.35		33.75	
	60.00	78.00	R/S	1.00	10.00			1.35		13.50	
	5th Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	25.00			1.35		33.75	
	30.00	60.00	L/S	1.00	24.00			1.35		32.40	
	60.00	70.00	L/S	1.00	4.00			1.35		5.40	
	RHS										
	0.00	30.00	R/S	1.00	26.00			1.35		35.10	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097.

me of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

me Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub

Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
Chainage										
30.00	60.00	R/S	1.00	25.00			1.35		33.75	
60.00	70.00	R/S	1.00	4.00			1.35		5.40	
6th Cross Road										
LHS										
0.00	30.00	L/S	1.00	25.00			1.35		33.75	
30.00	60.00	L/S	1.00	22.00			1.35		29.70	
60.00	75.50	L/S	1.00	12.50			1.35		16.88	
RHS										
0.00	30.00	R/S	1.00	25.00			1.35		33.75	
30.00	60.00	R/S	1.00	24.00			1.35		32.40	
60.00	75.50	R/S	1.00	10.50			1.35		14.18	
7th Cross Road										
LHS										
0.00	30.00	L/S	1.00	26.00			1.35		35.10	
30.00	60.00	L/S	1.00	25.00			1.35		33.75	
60.00	73.50	L/S	1.00	6.50			1.35		8.78	
RHS										
0.00	30.00	R/S	1.00	27.00			1.35		36.45	
30.00	60.00	R/S	1.00	23.00			1.35		31.05	
60.00	73.50	R/S	1.00	8.50			1.35		11.48	
8th Cross Road										
LHS										
0.00	30.00	L/S	1.00	27.00			1.35		36.45	
30.00	60.00	L/S	1.00	28.00			1.35		37.80	
60.00	73.60	L/S	1.00	8.60			1.35		11.61	
RHS										
0.00	30.00	R/S	1.00	26.00			1.35		35.10	
30.00	60.00	R/S	1.00	25.00			1.35		33.75	
60.00	73.60	R/S	1.00	7.60			1.35		10.26	
							Total		**1346.76**	**Sqm**

Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)

Akashavani Layout										
1st Cross Road										
LHS										
0.00	30.00	L/S	1.00	10.00			1.35		13.50	
30.00	60.00	L/S	1.00	5.00			1.35		6.75	
60.00	90.00	L/S	1.00	6.00			1.35		8.10	
90.00	96.60	L/S	1.00	4.00			1.35		5.40	
RHS										
0.00	30.00	R/S	1.00	8.00			1.35		10.80	
30.00	60.00	R/S	1.00	4.00			1.35		5.40	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :- 006-18-000097.

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

SOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	60.00	90.00	R/S	1.00	6.00			1.35		8.10	
	90.00	96.60	R/S	1.00	5.00			1.35		6.75	
	2nd Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	10.00			1.35		13.50	
	30.00	60.00	L/S	1.00	6.00			1.35		8.10	
	60.00	90.60	L/S	1.00	5.00			1.35		6.75	
	RHS										
	0.00	30.00	R/S	1.00	8.00			1.35		10.80	
	30.00	60.00	R/S	1.00	9.00			1.35		12.15	
	60.00	90.60	R/S	1.00	10.00			1.35		13.50	
	3rd Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	5.00			1.35		6.75	
	30.00	60.00	L/S	1.00	8.00			1.35		10.80	
	60.00	85.00	L/S	1.00	6.00			1.35		8.10	
	RHS										
	0.00	30.00	R/S	1.00	5.00			1.35		6.75	
	30.00	60.00	R/S	1.00	6.00			1.35		8.10	
	60.00	85.00	R/S	1.00	8.00			1.35		10.80	
	4th Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	5.00			1.35		6.75	
	30.00	60.00	L/S	1.00	6.00			1.35		8.10	
	60.00	78.00	L/S	1.00	4.00			1.35		5.40	
	RHS										
	0.00	30.00	R/S	1.00	6.00			1.35		8.10	
	30.00	60.00	R/S	1.00	5.00			1.35		6.75	
	60.00	78.00	R/S	1.00	8.00			1.35		10.80	
	5th Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	5.00			1.35		6.75	
	30.00	60.00	L/S	1.00	6.00			1.35		8.10	
	60.00	70.00	L/S	1.00	6.00			1.35		8.10	
	RHS										
	0.00	30.00	R/S	1.00	4.00			1.35		5.40	
	30.00	60.00	R/S	1.00	5.00			1.35		6.75	
	60.00	70.00	R/S	1.00	6.00			1.35		8.10	
	6th Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	5.00			1.35		6.75	
	30.00	60.00	L/S	1.00	8.00			1.35		10.80	
	60.00	75.50	L/S	1.00	3.00			1.35		4.05	
	RHS										

Consultant

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Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು

Assistant Executive Engineer

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Brubat Bengaluru Mahanagara Palike

Bytarayanapura Division

Sub Code :- 006-18-000097.

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	0.00	30.00	R/S	1.00	5.00			1.35		6.75	
	30.00	60.00	R/S	1.00	6.00			1.35		8.10	
	60.00	75.50	R/S	1.00	5.00			1.35		6.75	
	7th Cross Road										
	LHS										
	0.00	30.00	L/S	1.00	4.00			1.35		5.40	
	30.00	60.00	L/S	1.00	5.00			1.35		6.75	
	60.00	73.50	L/S	1.00	7.00			1.35		9.45	
	RHS										
	0.00	30.00	R/S	1.00	3.00			1.35		4.05	
	30.00	60.00	R/S	1.00	7.00			1.35		9.45	
	60.00	73.50	R/S	1.00	5.00			1.35		6.75	
	8th Cross Road										
	0.00	30.00	L/S	1.00	3.00			1.35		4.05	
	30.00	60.00	L/S	1.00	2.00			1.35		2.70	
	60.00	73.60	L/S	1.00	5.00			1.35		6.75	
	RHS										
	0.00	30.00	R/S	1.00	4.00			1.35		5.40	
	30.00	60.00	R/S	1.00	5.00			1.35		6.75	
	60.00	73.60	R/S	1.00	6.00			1.35		8.10	
								Total		**388.80**	**Sqm**
26	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)										
	Akashavani Layout										
	1st Cross Road										
	0.00	1.00		1.00	1.00	7.00	5.80	6.40	0.23	1.47	
	1.00	16.00		1.00	15.00	5.80	6.15	5.98	0.23	20.61	
	16.00	31.00		1.00	15.00	6.15	6.15	6.15	0.23	21.22	
	31.00	46.00		1.00	15.00	6.15	6.20	6.18	0.23	21.30	
	46.00	61.00		1.00	15.00	6.20	6.20	6.20	0.23	21.39	
	61.00	69.00		1.00	8.00	6.20	5.30	5.75	0.23	10.58	
	69.00	84.00		1.00	15.00	5.30	4.65	4.98	0.23	17.16	
	84.00	96.60		1.00	12.60	4.65	5.35	5.00	0.23	14.49	
	2nd Cross Road										
	0.00	2.00		1.00	2.00	6.90	6.25	6.58	0.23	3.02	
	2.00	17.00		1.00	15.00	6.25	5.85	6.05	0.23	20.87	
	17.00	32.00		1.00	15.00	5.85	6.00	5.93	0.23	20.44	
	32.00	47.00		1.00	15.00	6.00	6.25	6.13	0.23	21.13	
	47.00	57.00		1.00	10.00	6.25	6.60	6.43	0.23	14.78	
	57.00	70.00		1.00	13.00	6.60	6.50	6.55	0.23	19.58	
	70.00	85.00		1.00	15.00	6.50	5.20	5.85	0.23	20.18	

Consultant

8/5/19

ಸಹಾಯಕ ಅಭಿಯಂತರರು

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು 8/5/19

Assistant Executive Engineer

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Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097.

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	85.00	90.60		1.00	5.60	5.20	6.20	5.70	0.23	7.34	
	3rd Cross Road										
	0.00	2.00		1.00	2.00	6.80	5.35	6.08	0.23	2.79	
	2.00	14.00		1.00	12.00	5.35	6.00	5.68	0.23	15.66	
	14.00	29.00		1.00	15.00	6.00	5.20	5.60	0.23	19.32	
	29.00	40.00		1.00	11.00	5.20	5.60	5.40	0.23	13.66	
	40.00	55.00		1.00	15.00	5.60	5.90	5.75	0.23	19.84	
	55.00	70.00		1.00	15.00	5.90	5.60	5.75	0.23	19.84	
	70.00	85.00		1.00	15.00	5.60	4.90	5.25	0.23	18.11	
	4th Cross Road										
	0.00	2.00		1.00	2.00	6.60	6.40	6.50	0.23	2.99	
	2.00	17.00		1.00	15.00	6.40	5.75	6.08	0.23	20.96	
	17.00	32.00		1.00	15.00	5.75	6.00	5.88	0.23	20.27	
	32.00	47.00		1.00	15.00	6.00	5.80	5.90	0.23	20.36	
	47.00	62.00		1.00	15.00	5.80	4.90	5.35	0.23	18.46	
	62.00	78.00		1.00	16.00	4.90	5.00	4.95	0.23	18.22	
	5th Cross Road										
	0.00	3.00		1.00	3.00	4.85	5.10	4.98	0.23	3.43	
	3.00	18.00		1.00	15.00	5.10	4.53	4.82	0.23	16.61	
	18.00	33.00		1.00	15.00	4.53	4.90	4.72	0.23	16.27	
	33.00	48.00		1.00	15.00	4.90	5.00	4.95	0.23	17.08	
	48.00	63.00		1.00	15.00	5.00	5.60	5.30	0.23	18.29	
	63.00	70.00		1.00	7.00	5.60	5.40	5.50	0.23	8.86	
	6th Cross Road										
	0.00	3.00		1.00	3.00	5.80	5.40	5.60	0.23	3.86	
	3.00	17.00		1.00	14.00	5.40	5.00	5.20	0.23	16.74	
	17.00	32.00		1.00	15.00	5.00	5.10	5.05	0.23	17.42	
	32.00	47.00		1.00	15.00	5.10	6.00	5.55	0.23	19.15	
	47.00	62.00		1.00	15.00	6.00	5.80	5.90	0.23	20.36	
	62.00	75.50		1.00	13.50	5.80	5.40	5.60	0.23	17.39	
	7th Cross Road										
	0.00	15.00		1.00	15.00	5.00	5.90	5.45	0.23	18.80	
	15.00	30.00		1.00	15.00	5.90	5.80	5.85	0.23	20.18	
	30.00	45.00		1.00	15.00	5.80	5.70	5.75	0.23	19.84	
	45.00	60.00		1.00	15.00	5.70	5.00	5.35	0.23	18.46	
	60.00	72.00		1.00	12.00	5.00	5.80	5.40	0.23	14.90	
	72.00	73.50		1.00	1.50	5.80	4.20	5.00	0.23	1.73	
	8th Cross Road										
	0.00	10.00		1.00	10.00	5.20	5.60	5.40	0.23	12.42	
	10.00	20.00		1.00	10.00	5.60	5.10	5.35	0.23	12.31	
	20.00	30.00		1.00	10.00	5.10	4.85	4.98	0.23	11.44	
	30.00	40.00		1.00	10.00	4.85	6.00	5.43	0.23	12.48	
	40.00	50.00		1.00	10.00	6.00	5.90	5.95	0.23	13.69	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Work Code :- 006-18-000097.

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

SOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	50.00	60.00		1.00	10.00	5.90	4.20	5.05	0.23	11.62	
	60.00	72.00		1.00	12.00	4.20	4.20	4.20	0.23	11.59	
	72.00	73.60		1.00	1.60	4.20	3.00	3.60	0.23	1.32	
		72						Total		822.28	Cum
28	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	Akashavani Layout										
	1st Cross Road										
	0.00	1.00		1.00	1.00	7.00	5.80	6.40	0.23	1.47	
	1.00	16.00		1.00	15.00	5.80	6.15	5.98	0.23	20.61	
	16.00	31.00		1.00	15.00	6.15	6.15	6.15	0.23	21.22	
	31.00	46.00		1.00	15.00	6.15	6.20	6.18	0.23	21.30	
	46.00	61.00		1.00	15.00	6.20	6.20	6.20	0.23	21.39	
	61.00	69.00		1.00	8.00	6.20	5.30	5.75	0.23	10.58	
	69.00	84.00		1.00	15.00	5.30	4.65	4.98	0.23	17.16	
	84.00	96.60		1.00	12.60	4.65	5.35	5.00	0.23	14.49	
	2nd Cross Road										
	0.00	2.00		1.00	2.00	6.90	6.25	6.58	0.23	3.02	
	2.00	17.00		1.00	15.00	6.25	5.85	6.05	0.23	20.87	
	17.00	32.00		1.00	15.00	5.85	6.00	5.93	0.23	20.44	
	32.00	47.00		1.00	15.00	6.00	6.25	6.13	0.23	21.13	
	47.00	57.00		1.00	10.00	6.25	6.60	6.43	0.23	14.78	
	57.00	70.00		1.00	13.00	6.60	6.50	6.55	0.23	19.58	
	70.00	85.00		1.00	15.00	6.50	5.20	5.85	0.23	20.18	
	85.00	90.60		1.00	5.60	5.20	6.20	5.70	0.23	7.34	
	3rd Cross Road										
	0.00	2.00		1.00	2.00	6.80	5.35	6.08	0.23	2.79	
	2.00	14.00		1.00	12.00	5.35	6.00	5.68	0.23	15.66	
	14.00	29.00		1.00	15.00	6.00	5.20	5.60	0.23	19.32	
	29.00	40.00		1.00	11.00	5.20	5.60	5.40	0.23	13.66	
	40.00	55.00		1.00	15.00	5.60	5.90	5.75	0.23	19.84	
	55.00	70.00		1.00	15.00	5.90	5.60	5.75	0.23	19.84	
	70.00	85.00		1.00	15.00	5.60	4.90	5.25	0.23	18.11	
	4th Cross Road										
	0.00	2.00		1.00	2.00	6.60	6.40	6.50	0.23	2.99	
	2.00	17.00		1.00	15.00	6.40	5.75	6.08	0.23	20.96	
	17.00	32.00		1.00	15.00	5.75	6.00	5.88	0.23	20.27	
	32.00	47.00		1.00	15.00	6.00	5.80	5.90	0.23	20.36	
	47.00	62.00		1.00	15.00	5.80	4.90	5.35	0.23	18.46	
	62.00	78.00		1.00	16.00	4.90	5.00	4.95	0.23	18.22	
	5th Cross Road										

Consultant

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike
Bytarayanapura Division

Name of Agency :- Beaska Developers & Project Pvt.Ltd.
Name of Work :-Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub

Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
Chainage										
0.00	3.00		1.00	3.00	4.85	5.10	4.98	0.23	3.43	
3.00	18.00		1.00	15.00	5.10	4.53	4.82	0.23	16.61	
18.00	33.00		1.00	15.00	4.53	4.90	4.72	0.23	16.27	
33.00	48.00		1.00	15.00	4.90	5.00	4.95	0.23	17.08	
48.00	63.00		1.00	15.00	5.00	5.60	5.30	0.23	18.29	
63.00	70.00		1.00	7.00	5.60	5.40	5.50	0.23	8.86	
6th Cross Road										
0.00	3.00		1.00	3.00	5.80	5.40	5.60	0.23	3.86	
3.00	17.00		1.00	14.00	5.40	5.00	5.20	0.23	16.74	
17.00	32.00		1.00	15.00	5.00	5.10	5.05	0.23	17.42	
32.00	47.00		1.00	15.00	5.10	6.00	5.55	0.23	19.15	
47.00	62.00		1.00	15.00	6.00	5.80	5.90	0.23	20.36	
62.00	75.50		1.00	13.50	5.80	5.40	5.60	0.23	17.39	
7th Cross Road										
0.00	15.00		1.00	15.00	5.00	5.90	5.45	0.23	18.80	
15.00	30.00		1.00	15.00	5.90	5.80	5.85	0.23	20.18	
30.00	45.00		1.00	15.00	5.80	5.70	5.75	0.23	19.84	
45.00	60.00		1.00	15.00	5.70	5.00	5.35	0.23	18.46	
60.00	72.00		1.00	12.00	5.00	5.80	5.40	0.23	14.90	
72.00	73.50		1.00	1.50	5.80	4.20	5.00	0.23	1.73	
8th Cross Road										
0.00	10.00		1.00	10.00	5.20	5.60	5.40	0.23	12.42	
10.00	20.00		1.00	10.00	5.60	5.10	5.35	0.23	12.31	
20.00	30.00		1.00	10.00	5.10	4.85	4.98	0.23	11.44	
30.00	40.00		1.00	10.00	4.85	6.00	5.43	0.23	12.48	
40.00	50.00		1.00	10.00	6.00	5.90	5.95	0.23	13.69	
50.00	60.00		1.00	10.00	5.90	4.20	5.05	0.23	11.62	
60.00	72.00		1.00	12.00	4.20	4.20	4.20	0.23	11.59	
72.00	73.60		1.00	1.60	4.20	3.00	3.60	0.23	1.32	
							Total		822.28	Cum

KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)

Akashavani Layout										
1st Cross Road										
0.00	1.00		1.00	1.00	7.00	5.80	6.40		6.40	
1.00	16.00		1.00	15.00	5.80	6.15	5.98		89.63	
16.00	31.00		1.00	15.00	6.15	6.15	6.15		92.25	
31.00	46.00		1.00	15.00	6.15	6.20	6.18		92.63	
46.00	61.00		1.00	15.00	6.20	6.20	6.20		93.00	
61.00	69.00		1.00	8.00	6.20	5.30	5.75		46.00	
69.00	84.00		1.00	15.00	5.30	4.65	4.98		74.63	
84.00	96.60		1.00	12.60	4.65	5.35	5.00		63.00	

Consultant

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097.

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

SLNO	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	2nd Cross Road										
	0.00	2.00		1.00	2.00	6.90	6.25	6.58		13.15	
	2.00	17.00		1.00	15.00	6.25	5.85	6.05		90.75	
	17.00	32.00		1.00	15.00	5.85	6.00	5.93		88.88	
	32.00	47.00		1.00	15.00	6.00	6.25	6.13		91.88	
	47.00	57.00		1.00	10.00	6.25	6.60	6.43		64.25	
	57.00	70.00		1.00	13.00	6.60	6.50	6.55		85.15	
	70.00	85.00		1.00	15.00	6.50	5.20	5.85		87.75	
	85.00	90.60		1.00	5.60	5.20	6.20	5.70		31.92	
	3rd Cross Road										
	0.00	2.00		1.00	2.00	6.80	5.35	6.08		12.15	
	2.00	14.00		1.00	12.00	5.35	6.00	5.68		68.10	
	14.00	29.00		1.00	15.00	6.00	5.20	5.60		84.00	
	29.00	40.00		1.00	11.00	5.20	5.60	5.40		59.40	
	40.00	55.00		1.00	15.00	5.60	5.90	5.75		86.25	
	55.00	70.00		1.00	15.00	5.90	5.60	5.75		86.25	
	70.00	85.00		1.00	15.00	5.60	4.90	5.25		78.75	
	4th Cross Road										
	0.00	2.00		1.00	2.00	6.60	6.40	6.50		13.00	
	2.00	17.00		1.00	15.00	6.40	5.75	6.08		91.13	
	17.00	32.00		1.00	15.00	5.75	6.00	5.88		88.13	
	32.00	47.00		1.00	15.00	6.00	5.80	5.90		88.50	
	47.00	62.00		1.00	15.00	5.80	4.90	5.35		80.25	
	62.00	78.00		1.00	16.00	4.90	5.00	4.95		79.20	
	5th Cross Road										
	0.00	3.00		1.00	3.00	4.85	5.10	4.98		14.93	
	3.00	18.00		1.00	15.00	5.10	4.53	4.82		72.23	
	18.00	33.00		1.00	15.00	4.53	4.90	4.72		70.73	
	33.00	48.00		1.00	15.00	4.90	5.00	4.95		74.25	
	48.00	63.00		1.00	15.00	5.00	5.60	5.30		79.50	
	63.00	70.00		1.00	7.00	5.60	5.40	5.50		38.50	
	6th Cross Road										
	0.00	3.00		1.00	3.00	5.80	5.40	5.60		16.80	
	3.00	17.00		1.00	14.00	5.40	5.00	5.20		72.80	
	17.00	32.00		1.00	15.00	5.00	5.10	5.05		75.75	
	32.00	47.00		1.00	15.00	5.10	6.00	5.55		83.25	
	47.00	62.00		1.00	15.00	6.00	5.80	5.90		88.50	
	62.00	75.50		1.00	13.50	5.80	5.40	5.60		75.60	
	7th Cross Road										
	0.00	15.00		1.00	15.00	5.00	5.90	5.45		81.75	
	15.00	30.00		1.00	15.00	5.90	5.80	5.85		87.75	
	30.00	45.00		1.00	15.00	5.80	5.70	5.75		86.25	
	45.00	60.00		1.00	15.00	5.70	5.00	5.35		80.25	
	60.00	72.00		1.00	12.00	5.00	5.80	5.40		64.80	

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike
Bytarayanapura Division

Work Code :- 006-18-000097.
Name of Agency :- Benaka Developers & Project Pvt.Ltd.
Bill No :-2nd & Part Bill
Name Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	72.00	73.50		1.00	1.50	5.80	4.20	5.00		7.50	
	8th Cross Road										
	0.00	10.00		1.00	10.00	5.20	5.60	5.40		54.00	
	10.00	20.00		1.00	10.00	5.60	5.10	5.35		53.50	
	20.00	30.00		1.00	10.00	5.10	4.85	4.98		49.75	
	30.00	40.00		1.00	10.00	4.85	6.00	5.43		54.25	
	40.00	50.00		1.00	10.00	6.00	5.90	5.95		59.50	
	50.00	60.00		1.00	10.00	5.90	4.20	5.05		50.50	
	60.00	72.00		1.00	12.00	4.20	4.20	4.20		50.40	
	72.00	73.60		1.00	1.60	4.20	3.00	3.60		5.76	
								Total		3575.13	Sqm
31	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)										
	Akashavani Layout										
	1st Cross Road										
	0.00	1.00		1.00	1.00	7.00	5.80	6.40		6.40	
	1.00	16.00		1.00	15.00	5.80	6.15	5.98		89.63	
	16.00	31.00		1.00	15.00	6.15	6.15	6.15		92.25	
	31.00	46.00		1.00	15.00	6.15	6.20	6.18		92.63	
	46.00	61.00		1.00	15.00	6.20	6.20	6.20		93.00	
	61.00	69.00		1.00	8.00	6.20	5.30	5.75		46.00	
	69.00	84.00		1.00	15.00	5.30	4.65	4.98		74.63	
	84.00	96.60		1.00	12.60	4.65	5.35	5.00		63.00	
	2nd Cross Road										
	0.00	2.00		1.00	2.00	6.90	6.25	6.58		13.15	
	2.00	17.00		1.00	15.00	6.25	5.85	6.05		90.75	
	17.00	32.00		1.00	15.00	5.85	6.00	5.93		88.88	
	32.00	47.00		1.00	15.00	6.00	6.25	6.13		91.88	
	47.00	57.00		1.00	10.00	6.25	6.60	6.43		64.25	
	57.00	70.00		1.00	13.00	6.60	6.50	6.55		85.15	
	70.00	85.00		1.00	15.00	6.50	5.20	5.85		87.75	
	85.00	90.60		1.00	5.60	5.20	6.20	5.70		31.92	
	3rd Cross Road										
	0.00	2.00		1.00	2.00	6.80	5.35	6.08		12.15	
	2.00	14.00		1.00	12.00	5.35	6.00	5.68		68.10	
	14.00	29.00		1.00	15.00	6.00	5.20	5.60		84.00	
	29.00	40.00		1.00	11.00	5.20	5.60	5.40		59.40	
	40.00	55.00		1.00	15.00	5.60	5.90	5.75		86.25	
	55.00	70.00		1.00	15.00	5.90	5.60	5.75		86.25	
	70.00	85.00		1.00	15.00	5.60	4.90	5.25		78.75	

16/5/2019

Assistant Engineer
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16/5/2019

Assistant Executive Engineer
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Consultant

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Work Code :- 006-18-000097.

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Bytarayanapura Sub Division

BBQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	4th Cross Road										
	0.00	2.00		1.00	2.00	6.60	6.40	6.50		13.00	
	2.00	17.00		1.00	15.00	6.40	5.75	6.08		91.13	
	17.00	32.00		1.00	15.00	5.75	6.00	5.88		88.13	
	32.00	47.00		1.00	15.00	6.00	5.80	5.90		88.50	
	47.00	62.00		1.00	15.00	5.80	4.90	5.35		80.25	
	62.00	78.00		1.00	16.00	4.90	5.00	4.95		79.20	
	5th Cross Road										
	0.00	3.00		1.00	3.00	4.85	5.10	4.98		14.93	
	3.00	18.00		1.00	15.00	5.10	4.53	4.82		72.23	
	18.00	33.00		1.00	15.00	4.53	4.90	4.72		70.73	
	33.00	48.00		1.00	15.00	4.90	5.00	4.95		74.25	
	48.00	63.00		1.00	15.00	5.00	5.60	5.30		79.50	
	63.00	70.00		1.00	7.00	5.60	5.40	5.50		38.50	
	6th Cross Road										
	0.00	3.00		1.00	3.00	5.80	5.40	5.60		16.80	
	3.00	17.00		1.00	14.00	5.40	5.00	5.20		72.80	
	17.00	32.00		1.00	15.00	5.00	5.10	5.05		75.75	
	32.00	47.00		1.00	15.00	5.10	6.00	5.55		83.25	
	47.00	62.00		1.00	15.00	6.00	5.80	5.90		88.50	
	62.00	75.50		1.00	13.50	5.80	5.40	5.60		75.60	
	7th Cross Road										
	0.00	15.00		1.00	15.00	5.00	5.90	5.45		81.75	
	15.00	30.00		1.00	15.00	5.90	5.80	5.85		87.75	
	30.00	45.00		1.00	15.00	5.80	5.70	5.75		86.25	
	45.00	60.00		1.00	15.00	5.70	5.00	5.35		80.25	
	60.00	72.00		1.00	12.00	5.00	5.80	5.40		64.80	
	72.00	73.50		1.00	1.50	5.80	4.20	5.00		7.50	
	8th Cross Road										
	0.00	10.00		1.00	10.00	5.20	5.60	5.40		54.00	
	10.00	20.00		1.00	10.00	5.60	5.10	5.35		53.50	
	20.00	30.00		1.00	10.00	5.10	4.85	4.98		49.75	
	30.00	40.00		1.00	10.00	4.85	6.00	5.43		54.25	
	40.00	50.00		1.00	10.00	6.00	5.90	5.95		59.50	
	50.00	60.00		1.00	10.00	5.90	4.20	5.05		50.50	
	60.00	72.00		1.00	12.00	4.20	4.20	4.20		50.40	
	72.00	73.60		1.00	1.60	4.20	3.00	3.60		5.76	
								Total		3575.13	Sqm

Consultant

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike
Bytarayanapura Division

Code :- 006-18-000097.
me of Agency :- Benaka Developers & Project Pvt.Ltd.
No :-2nd & Part Bill
me Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub
ision

SQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
32	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)										
	Akashavani Layout										
	1st Cross Road										
	0.00	1.00		1.00	1.00	7.00	5.80	6.40	0.04	0.26	
	1.00	16.00		1.00	15.00	5.80	6.15	5.98	0.04	3.59	
	16.00	31.00		1.00	15.00	6.15	6.15	6.15	0.04	3.69	
	31.00	46.00		1.00	15.00	6.15	6.20	6.18	0.04	3.71	
	46.00	61.00		1.00	15.00	6.20	6.20	6.20	0.04	3.72	
	61.00	69.00		1.00	8.00	6.20	5.30	5.75	0.04	1.84	
	69.00	84.00		1.00	15.00	5.30	4.65	4.98	0.04	2.99	
	84.00	96.60		1.00	12.60	4.65	5.35	5.00	0.04	2.52	
	2nd Cross Road										
	0.00	2.00		1.00	2.00	6.90	6.25	6.58	0.04	0.53	
	2.00	17.00		1.00	15.00	6.25	5.85	6.05	0.04	3.63	
	17.00	32.00		1.00	15.00	5.85	6.00	5.93	0.04	3.56	
	32.00	47.00		1.00	15.00	6.00	6.25	6.13	0.04	3.68	
	47.00	57.00		1.00	10.00	6.25	6.60	6.43	0.04	2.57	
	57.00	70.00		1.00	13.00	6.60	6.50	6.55	0.04	3.41	
	70.00	85.00		1.00	15.00	6.50	5.20	5.85	0.04	3.51	
	85.00	90.60		1.00	5.60	5.20	6.20	5.70	0.04	1.28	
	3rd Cross Road										
	0.00	2.00		1.00	2.00	6.80	5.35	6.08	0.04	0.49	
	2.00	14.00		1.00	12.00	5.35	6.00	5.68	0.04	2.72	
	14.00	29.00		1.00	15.00	6.00	5.20	5.60	0.04	3.36	
	29.00	40.00		1.00	11.00	5.20	5.60	5.40	0.04	2.38	
	40.00	55.00		1.00	15.00	5.60	5.90	5.75	0.04	3.45	
	55.00	70.00		1.00	15.00	5.90	5.60	5.75	0.04	3.45	
	70.00	85.00		1.00	15.00	5.60	4.90	5.25	0.04	3.15	
	4th Cross Road										
	0.00	2.00		1.00	2.00	6.60	6.40	6.50	0.04	0.52	
	2.00	17.00		1.00	15.00	6.40	5.75	6.08	0.04	3.65	
	17.00	32.00		1.00	15.00	5.75	6.00	5.88	0.04	3.53	
	32.00	47.00		1.00	15.00	6.00	5.80	5.90	0.04	3.54	
	47.00	62.00		1.00	15.00	5.80	4.90	5.35	0.04	3.21	
	62.00	78.00		1.00	16.00	4.90	5.00	4.95	0.04	3.17	
	5th Cross Road										

Consultant

17/5/19
Assistant Engineer

17/5/19
Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097.

me of Agency :- Benaka Developers & Project Pvt.Ltd.

No :-2nd & Part Bill

me Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub

vision

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	0.00	3.00		1.00	3.00	4.85	5.10	4.98	0.04	0.60	
	3.00	18.00		1.00	15.00	5.10	4.53	4.82	0.04	2.89	
	18.00	33.00		1.00	15.00	4.53	4.90	4.72	0.04	2.83	
	33.00	48.00		1.00	15.00	4.90	5.00	4.95	0.04	2.97	
	48.00	63.00		1.00	15.00	5.00	5.60	5.30	0.04	3.18	
	63.00	70.00		1.00	7.00	5.60	5.40	5.50	0.04	1.54	
	6th Cross Road										
	0.00	3.00		1.00	3.00	5.80	5.40	5.60	0.04	0.67	
	3.00	17.00		1.00	14.00	5.40	5.00	5.20	0.04	2.91	
	17.00	32.00		1.00	15.00	5.00	5.10	5.05	0.04	3.03	
	32.00	47.00		1.00	15.00	5.10	6.00	5.55	0.04	3.33	
	47.00	62.00		1.00	15.00	6.00	5.80	5.90	0.04	3.54	
	62.00	75.50		1.00	13.50	5.80	5.40	5.60	0.04	3.02	
	7th Cross Road										
	0.00	15.00		1.00	15.00	5.00	5.90	5.45	0.04	3.27	
	15.00	30.00		1.00	15.00	5.90	5.80	5.85	0.04	3.51	
	30.00	45.00		1.00	15.00	5.80	5.70	5.75	0.04	3.45	
	45.00	60.00		1.00	15.00	5.70	5.00	5.35	0.04	3.21	
	60.00	72.00		1.00	12.00	5.00	5.80	5.40	0.04	2.59	
	72.00	73.50		1.00	1.50	5.80	4.20	5.00	0.04	0.30	
	8th Cross Road										
	0.00	10.00		1.00	10.00	5.20	5.60	5.40	0.04	2.16	
	10.00	20.00		1.00	10.00	5.60	5.10	5.35	0.04	2.14	
	20.00	30.00		1.00	10.00	5.10	4.85	4.98	0.04	1.99	
	30.00	40.00		1.00	10.00	4.85	6.00	5.43	0.04	2.17	
	40.00	50.00		1.00	10.00	6.00	5.90	5.95	0.04	2.38	
	50.00	60.00		1.00	10.00	5.90	4.20	5.05	0.04	2.02	
	60.00	72.00		1.00	12.00	4.20	4.20	4.20	0.04	2.02	
	72.00	73.60		1.00	1.60	4.20	3.00	3.60	0.04	0.23	
								Total		143.01	Cum
83	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)										
	Akashavani Layout										
	1st Cross Road										
	Edge line										
	0.00	1.00		1.00	1.00			0.10		0.10	
	1.00	16.00		1.00	15.00			0.10		1.50	
	16.00	31.00		1.00	15.00			0.10		1.50	
	31.00	46.00		1.00	15.00			0.10		1.50	
	46.00	61.00		1.00	15.00			0.10		1.50	

Consultant

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :- 006-18-000097.

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

SOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	61.00	69.00		1.00	8.00			0.10		0.80	
	69.00	84.00		1.00	15.00			0.10		1.50	
	84.00	96.60		1.00	12.60			0.10		1.26	
	2nd Cross Road										
	0.00	2.00		1.00	2.00			0.10		0.20	
	2.00	17.00		1.00	15.00			0.10		1.50	
	17.00	32.00		1.00	15.00			0.10		1.50	
	32.00	47.00		1.00	15.00			0.10		1.50	
	47.00	57.00		1.00	10.00			0.10		1.00	
	57.00	70.00		1.00	13.00			0.10		1.30	
	70.00	85.00		1.00	15.00			0.10		1.50	
	85.00	90.60		1.00	5.60			0.10		0.56	
	3rd Cross Road										
	0.00	2.00		1.00	2.00			0.10		0.20	
	2.00	14.00		1.00	12.00			0.10		1.20	
	14.00	29.00		1.00	15.00			0.10		1.50	
	29.00	40.00		1.00	11.00			0.10		1.10	
	40.00	55.00		1.00	15.00			0.10		1.50	
	55.00	70.00		1.00	15.00			0.10		1.50	
	70.00	85.00		1.00	15.00			0.10		1.50	
	4th Cross Road										
	0.00	2.00		1.00	2.00			0.10		0.20	
	2.00	17.00		1.00	15.00			0.10		1.50	
	17.00	32.00		1.00	15.00			0.10		1.50	
	32.00	47.00		1.00	15.00			0.10		1.50	
	47.00	62.00		1.00	15.00			0.10		1.50	
	62.00	78.00		1.00	16.00			0.10		1.60	
	5th Cross Road										
	0.00	3.00		1.00	3.00			0.10		0.30	
	3.00	18.00		1.00	15.00			0.10		1.50	
	18.00	33.00		1.00	15.00			0.10		1.50	
	33.00	48.00		1.00	15.00			0.10		1.50	
	48.00	63.00		1.00	15.00			0.10		1.50	
	63.00	70.00		1.00	7.00			0.10		0.70	
	6th Cross Road										
	0.00	3.00		1.00	3.00			0.10		0.30	
	3.00	17.00		1.00	14.00			0.10		1.40	
	17.00	32.00		1.00	15.00			0.10		1.50	
	32.00	47.00		1.00	15.00			0.10		1.50	
	47.00	62.00		1.00	15.00			0.10		1.50	
	62.00	75.50		1.00	13.50			0.10		1.35	
	7th Cross Road										
	0.00	15.00		1.00	15.00			0.10		1.50	

Consultant

Assistant Executive Engineer

Scanned by CamScanner

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Sub Code :- 006-18-000097.

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvement of Drains and Asphalting to Road at Akashavani Layout in Ward No.06(Thanisandra), Byatarayanapura Sub Division

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	15.00	30.00		1.00	15.00			0.10		1.50	
	30.00	45.00		1.00	15.00			0.10		1.50	
	45.00	60.00		1.00	15.00			0.10		1.50	
	60.00	72.00		1.00	12.00			0.10		1.20	
	72.00	73.50		1.00	1.50			0.10		0.15	
	8th Cross Road										
	0.00	10.00		1.00	10.00			0.10		1.00	
	10.00	20.00		1.00	10.00			0.10		1.00	
	20.00	30.00		1.00	10.00			0.10		1.00	
	30.00	40.00		1.00	10.00			0.10		1.00	
	40.00	50.00		1.00	10.00			0.10		1.00	
	50.00	60.00		1.00	10.00			0.10		1.00	
	60.00	72.00		1.00	12.00			0.10		1.20	
	72.00	73.60		1.00	1.60			0.10		0.16	
								Total		**64.28**	**Sqm**

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